

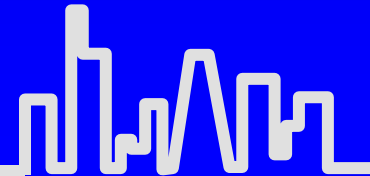


US Army Corps
of Engineers

US Army Corps of Engineers

Chicago District

Aquatic Nuisance Species Dispersal Barriers

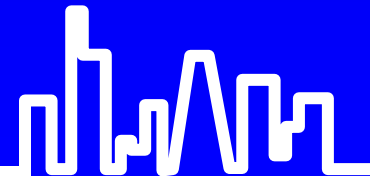




US Army Corps
of Engineers

Demonstration Barrier Status

- o Continuous Operation Since April 2003
- o Monitoring of Radio-Tagged Fish Ongoing
- o No Fish have Crossed Barrier in Last 2 Years
- o Will Operate at Least Until Permanent Barrier is On-Line





US Army Corps
of Engineers

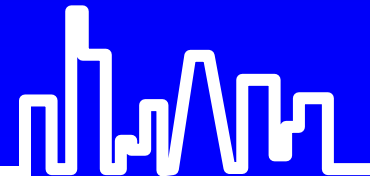
Demonstration Barrier Issues

- o Have Now Reached Design Life (3 – 5 Years) Window
- o Will the Demonstration Barrier Become Permanent?

Would Require Upgrades

Currently No Federal Authority

Being Pursued in WRDA

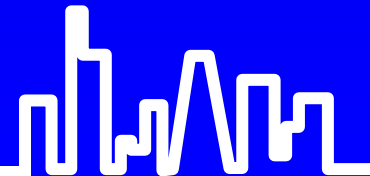




US Army Corps
of Engineers

Permanent Barrier Funding

- Specifically Authorized at \$9.1 Million
- 75% Federal, 25% Illinois DNR
- Illinois DNR Receiving \$475,000 from Other Great Lakes States
- Construction Being Completed in Two Stages

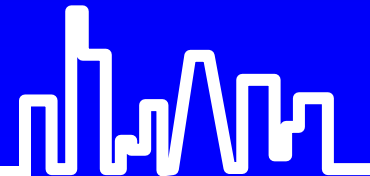




US Army Corps
of Engineers

Permanent Barrier Schedule

- Phase A Underway – Completion by June
- Phase B to Start When Additional Non-Federal Funding Available
- Projecting Phase B Start in May and Completion in July
- Start-Up & Safety Testing to Follow, Fully Operational in October

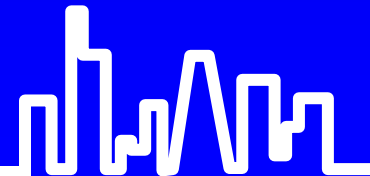




US Army Corps
of Engineers

Barrier Safety Study

- Scope of Work Coordinated with Coast Guard and Barge Industry
- Sparking Between Metal-Hulled Vessels Is Possible
- Coast Guard is Implementing a Regulated Navigation Area
- Person in Water Results Pending

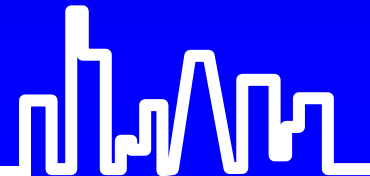




US Army Corps
of Engineers

Potential Barrier Bypasses

- o Des Plaines River Could Overflow into CSSC During Flood Events
- o Illinois and Michigan Canal has Culvert Connection to CSSC
- o I & M Flow Restricted by Culverts and Large Stands of Cattails

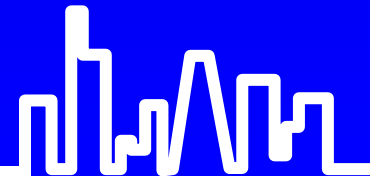




US Army Corps
of Engineers

Potential Barrier Bypasses

- Transport of Eggs in Ballast Water
 - Eggs Not Likely to Survive in Ballast Tanks
 - Barge Tows Do Not Typically Ballast
 - Barge Industry Has Been Asked to Avoid Transporting Ballast Across the Barrier

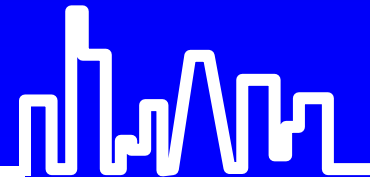




US Army Corps
of Engineers

Future Barrier Issues

- o Need Authorization & Funding to Investigate and Eliminate Bypasses
- o Who Will Operate and Maintain the Barrier System?





US Army Corps
of Engineers

For More Information

Chuck Shea, Project Manager

312-846-5568

charles.b.shea@usace.army.mil

